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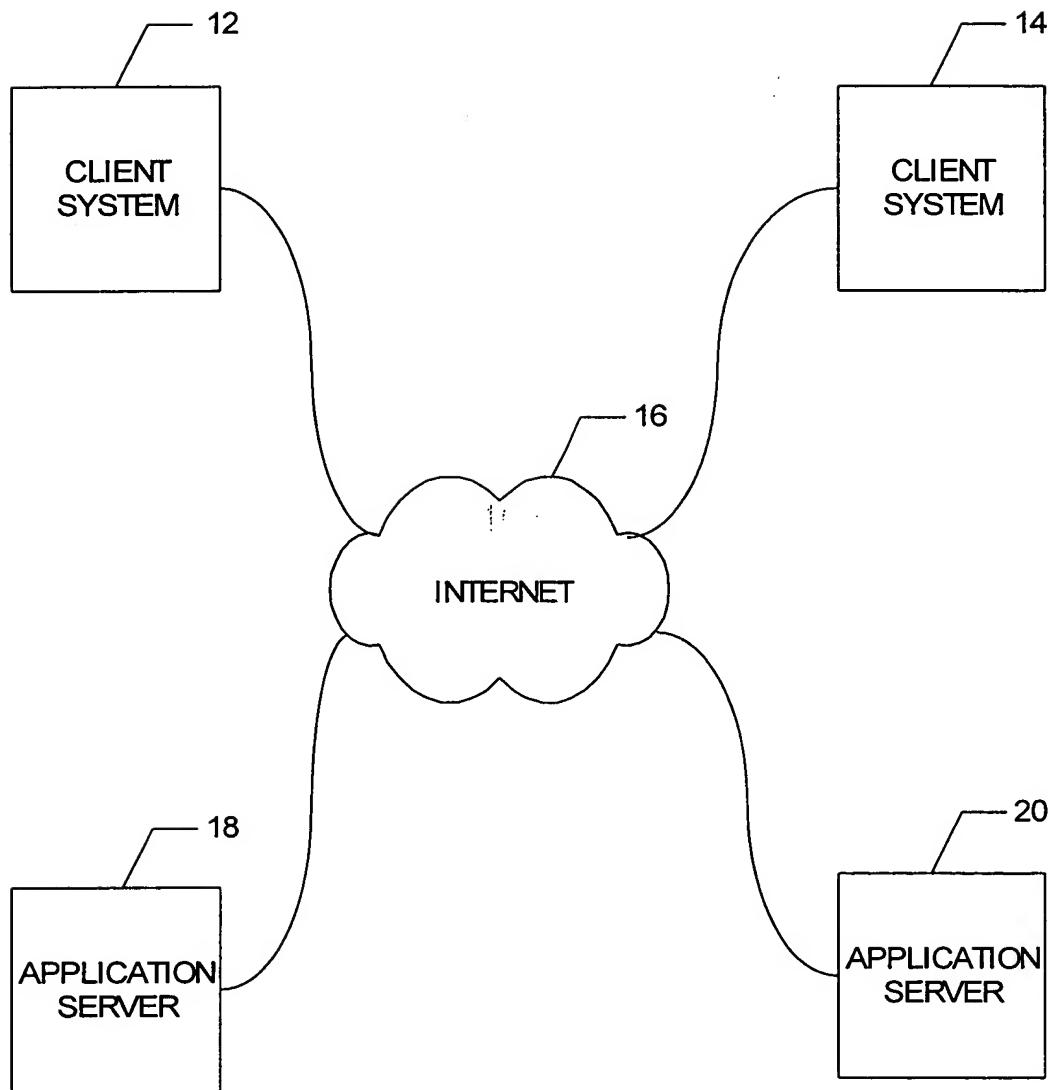


FIG. 1

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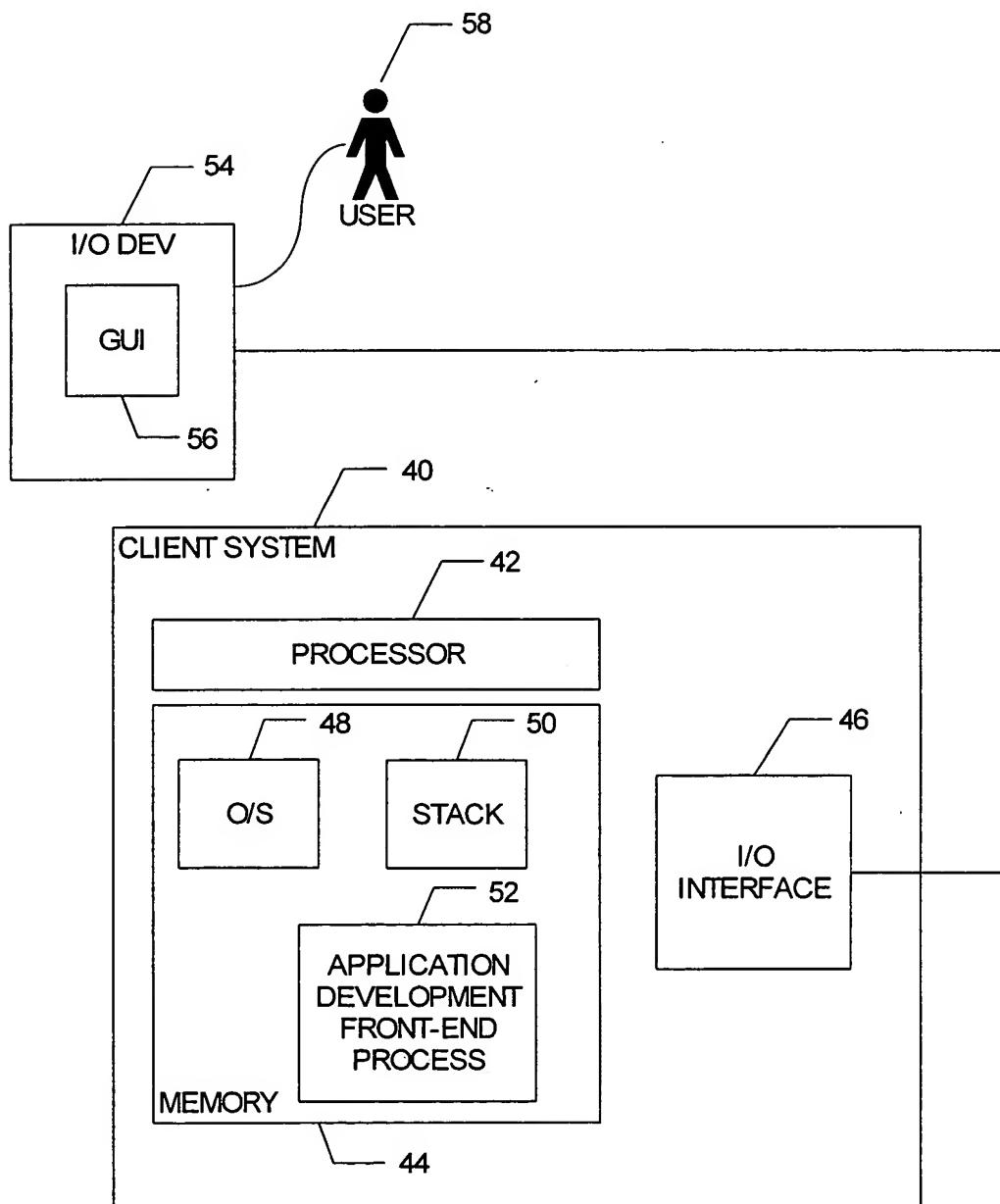


FIG. 2

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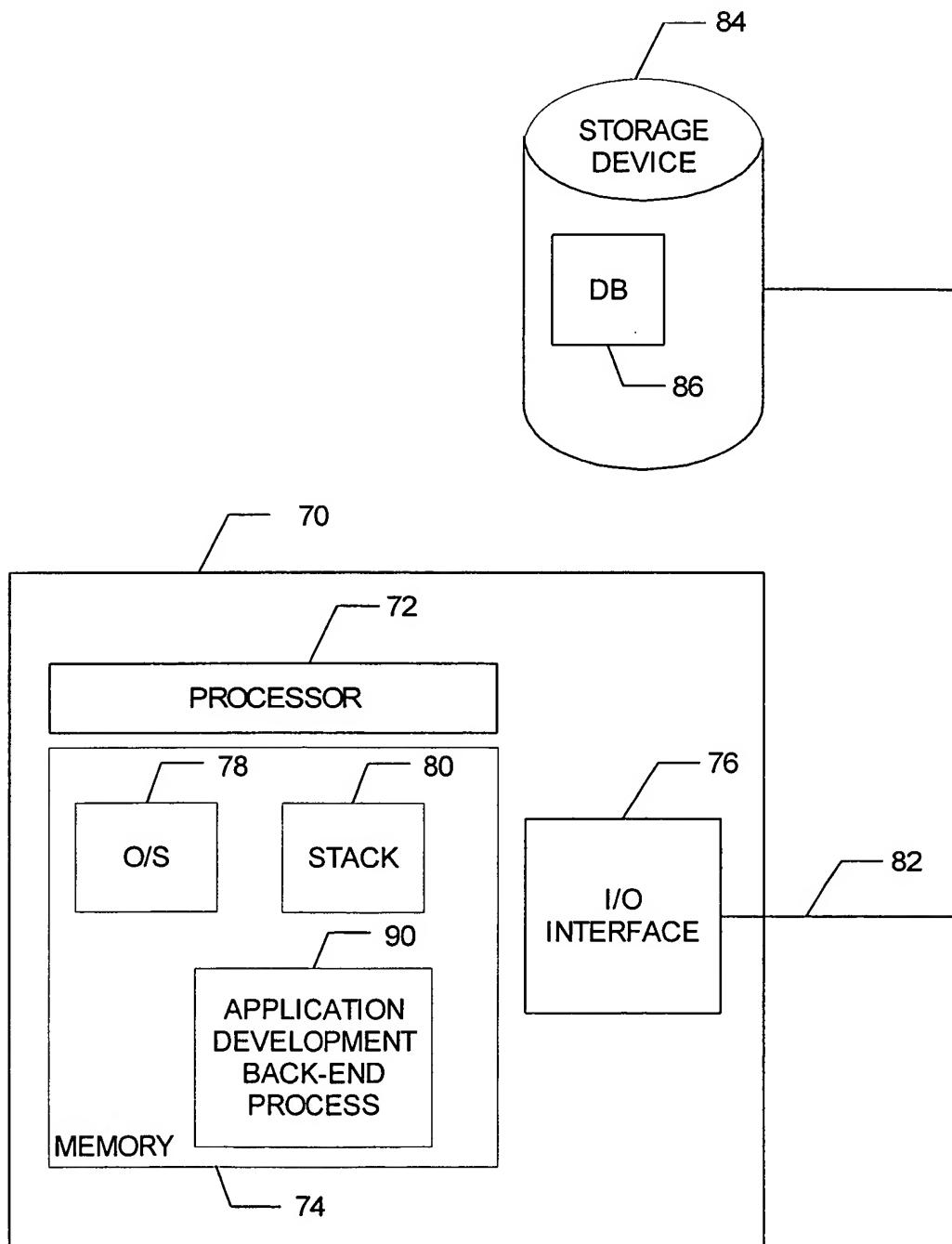


FIG. 3

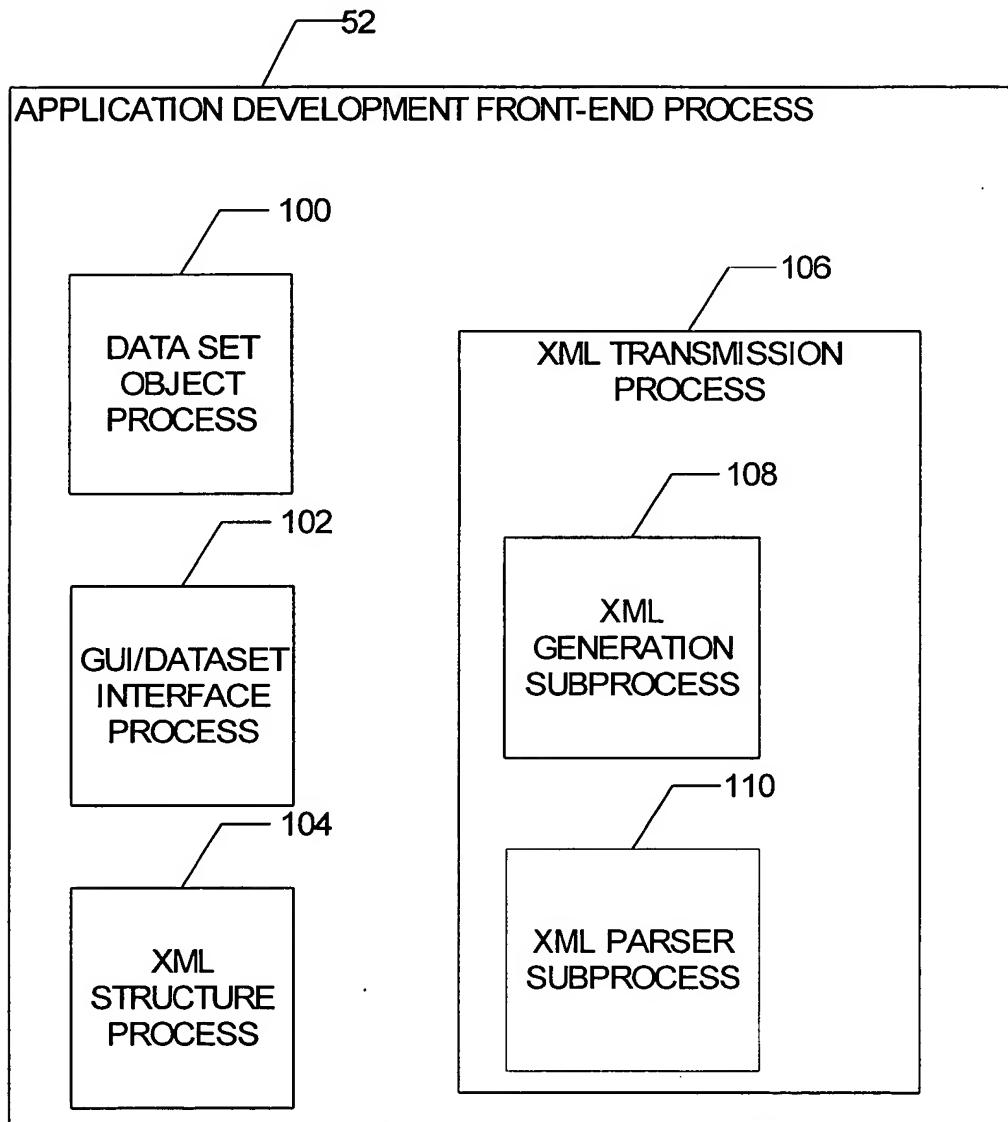


FIG. 4

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```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<IDATA XMLUSER="username" XMLPSWD="password">

    <STPROC PROCNAME="StoredProcName">
        <PARAM PTYPE="Parameter_Type1" future attributes="..." > paramvalue1</PARAM>
        <PARAM PTYPE="Parameter_Type2" future attributes="..." > paramvalue2</PARAM>
        <PARAM PTYPE="Parameter_Type3" future attributes="..." > paramvalue3</PARAM>
    </STPROC>

    <REC ACTION="SELECT" TABLENAME="table" LOCK="boolean">
        <COL DCOL="column_name1" future attributes="..." >value1</COL>
        <COL DCOL="column_name2" future attributes="..." >value2</COL>
        <COL DCOL="column_name3" PKPOS="1" future attributes="..." >value3</COL>
        <COL DCOL="column_name4" PKPOS="2" future attributes="..." >value4</COL>
        <WHERE>column_name5 > column_name6 </WHERE>
        <SORTBY>column_name7 </SORTBY>
    </REC>

    <REC ACTION="INSERT" TABLENAME="table" LOCK="boolean">
        <COL DCOL="column_name1" future attributes="..." >value1</COL>
        <COL DCOL="column_name2" future attributes="..." >value2</COL>
        <COL DCOL="column_name3" PKPOS="1" future attributes="..." >value3</COL>
        <COL DCOL="column_name4" PKPOS="2" future attributes="..." >value4</COL>
    </REC>

    <REC ACTION="UPDATE" TABLENAME="table" LOCK="boolean">
        <COL DCOL="column_name1" future attributes="..." >value1</COL>
        <COL DCOL="column_name2" future attributes="..." >value2</COL>
        <COL DCOL="column_name3" PKPOS="1" future attributes="..." >value3</COL>
        <COL DCOL="column_name4" PKPOS="2" future attributes="..." >value4</COL>
    </REC>

    <REC ACTION="DELETE" TABLENAME="table" LOCK="boolean">
        <COL DCOL="column_name1" PKPOS="1" future attributes="..." >value1</COL>
        <COL DCOL="column_name2" PKPOS="2" future attributes="..." >value2</COL>
    </REC>

    <FutureRequestTag Parameters>
        :
        :
    </FutureRequestTag>
</IDATA>
```

Stored Procedure Call

Database Select Call

Database Insert Call

Database Update Call

Database Delete Call

Future Request Call

FIG. 5

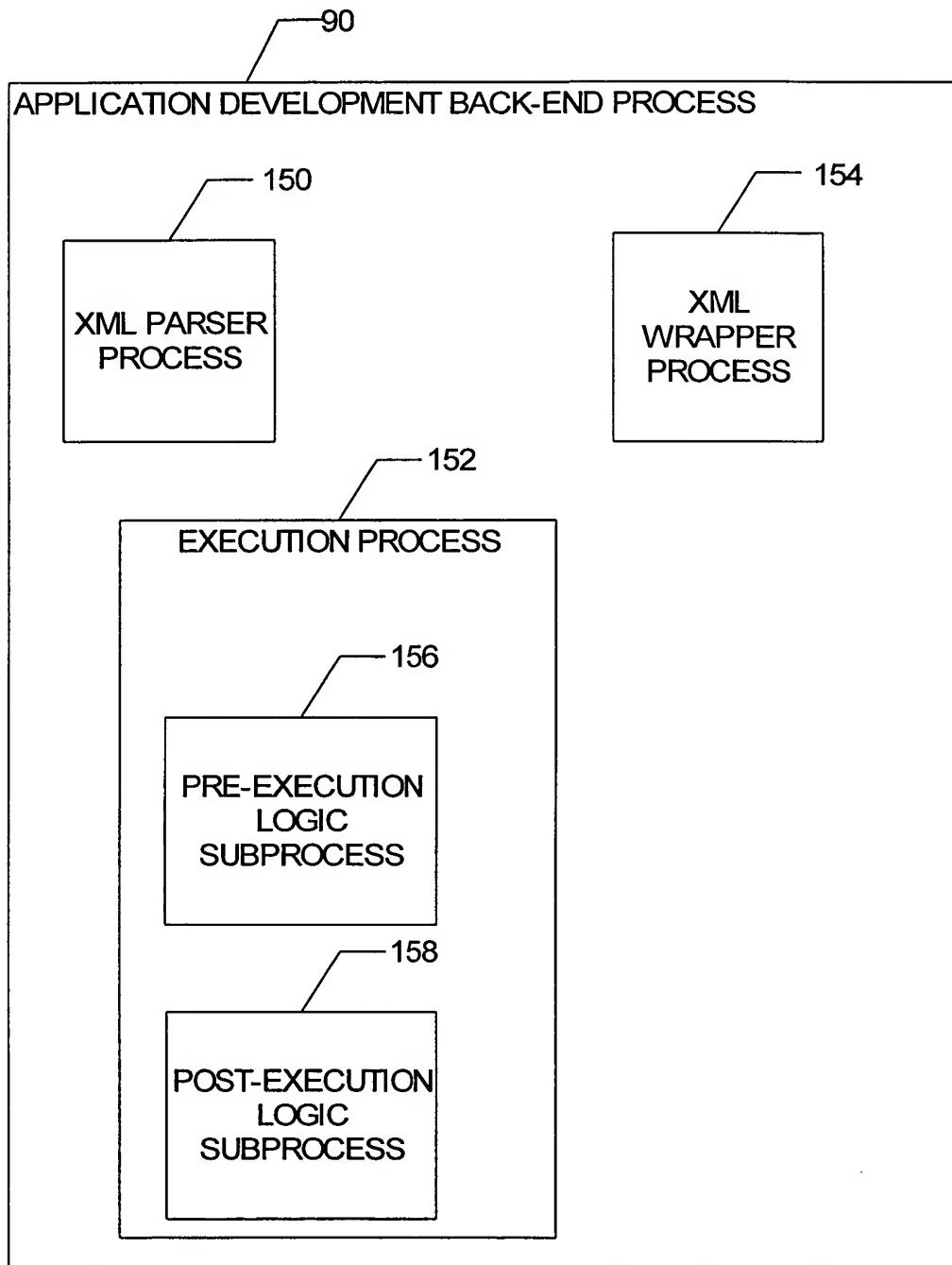


FIG. 6

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```
<?xml version="1.0" encoding="ISO-8859-1" ?>
<IDATA XMLUSER="username" XMLPSWD="password">

<ERROR><![CDATA[... Error Message...]]></ERROR>
<STATUS>... StatusInformation...</STATUS>

<STPROC PROCNAME="...procedurename...">
  <RETVAL><![CDATA[...ReturnValue...]]></RETVAL>
</STPROC>
<TBL TABLENAME="tablename" >

  <DICT>
    <DCOL CNAME="columnname1" POS="1" DTYPEn="datatype" ></DCOL>
    <DCOL CNAME="columnname2" POS="2" DTYPEn="datatype" CALC="1" ></DCOL>
    <DCOL CNAME="columnname3" POS="3" DTYPEn="datatype" PKPOS="1" ></DCOL>
  </DICT>
  <IRECSET>
    <REC NEW="0">
      <COL><![CDATA[...columndata...]]></COL>
      <COL><![CDATA[...columndata...]]></COL>
      <COL><![CDATA[...columndata...]]></COL>
    </REC>
  </IRECSET>
</TBL>

<FutureResponseTag Parameters>
  :
  :
</FutureResponseTag>

</IDATA>
```

Diagram illustrating the XML structure and its components:

- Error Messages and Status Messages:** Indicated by a bracket covering the `<ERROR>` and `<STATUS>` sections.
- Stored Procedure Return Values:** Indicated by a bracket covering the `<STPROC>` and `<RETVAL>` sections.
- Database Call Response:** Indicated by a vertical bracket on the right side of the `<TBL>` section.
- Future Responses:** Indicated by a bracket covering the `<FutureResponseTag>` section.

FIG. 7